BRUHAT BANAGLORE MAHANAGARA PALIKE

Excecutive Engineer Dasarahalli Division

DETAILED ESTIMATE

Name of Work:Maintenance of Footpath in Ward No. 15 Dasarahalli

Code:			Estimate Amount : 20.00 Lakhs						
Sl. No.	Description of Item	Unit / Rate	Nos	Dimensions			Qty	Rate in Rs.	Total Amount in Rs
				L in m	B in m	D in m			
	Dismantling of existing structures like culverts, Cum bridges, retaining walls and other structure comprising of masonry, cement concrete,-wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. Prestressed/Reinforced cement concrete grade M-20 above. (P-139, IT.18.19) PWD SR 2018-19								
		Cum							
	5th Cross KG Nagara Top slab		1	103.00	1.80	0.25	46.35		
	Culvert Slab		1	6.00	1.50	0.25	2.25		
	Culvert Wall		2	6.00	0.90	0.30	3.24		
							51.84	1684.34	87316.00
	Basic Rate	1589.00							
	Add Area Weightage 6%	95.34							
	Total	1684.34							
2	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 (P.No.6 I.No.2.3)								
	Desilting 5th cross K G Nagar		1	103.00	1.2	1.00	123.60		
	Culvert		1	6.00	0.9	0.9	4.86		
	New Drain		1	52.00	0.9	1.0	46.80		
		Cum		Total			175.26	316.94	55547.00
	Basic Rate	299.00							
	AW 6%	17.94							
	Total	316.94							
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregtes @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation and plinth including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (P.13/4.3)								7086.2 174 20.28
	New Drain		1	52.00	0.90	0.2	7.02		
		Cum		Total			7.02	5408.12	37965.00
	Basic Rate:	5102.00							
	Area Weightage 6%	306.12							
	Total	5408.12							

4	KSRB 4-6.9 :Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Page No. 17 / Item No.4.36)								
	New Drain		2x2	52.00	0.90		187.20		
		Sqm		Total			187.20	800.30	149816.00
	Basic Rate	755.00							
	AW@ 6%	45.30							
	Total	800.30							
5	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6								
	New Drain		1	52.00	0.90	0.15	7.02		
	For side wall		2	52.00	0.75	0.15	11.70		
	5th Cross KG Nagara Top slab		1	103.00	1.20	0.3	37.08		
	Culvert Slab		1	6.00	0.75	0.2	0.90		
		Cum		Total			56.70	5998.54	340117.00
	Basic Rate:	5659.00							
	Area Weightage 6%	339.54							
	Total	5998.54							
6	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. (TMT bars FC 500)(P.18/4.46.2) Issue rate date : 02.11.2021 till now								92158 136 13.1
	For Drain								
	Qty @60Kg/Cum		0.060	18.72			1.12		
		T			Total		1.12	92662.02	104078.00
	Basic Rate	87417.00							
	Area Weightage 6%	5245.02							
	Total	92662.02							
7	Providing and and fixing Precast Concrete slab 100 MM thick witth all lead and lift as per specification (Data Rate Approved) 2018-19								
	New Drain		1	52.00	0.75		39.00		
	Data Rate	Sqm		Total			39.00	2337.00	91143.00
	Basic Rate:	2337.00							
	Total	2337.00							
8	Providing and and fixing Precast Concrete slab 250 MM thick witth all lead and lift as per specification (Data Rate Approved) 2018-19								
	New Drain		1	103.00	1.50		154.50		
			1	6.00	1.20		7.20		
	Data Rate	Sqm		Total			161.70	5241.00	847470.00
	Basic Rate:	5241.00							

	Transportaion & disposing of the excavated earth obtained from side drains & high burns an either sides of the road 2km lead (P.No 134)				
	Qty vide Item No 1& 2		227.10	85.65	19451.00
	Avg wt of earth 1.28 tonne/km				
	Basic rate lead charges for 4.00kms (2.00x1.28x15.00)	12.80			
	Add loading & unloading	68.00			
	Sub total	80.80			
	AW 6%	4.85			
	Total	85.65			
				Sub Total	1732903.00
				Add 12% Towards GST Charges	207948.00
				Tender premium 3%	51987.00
				Miscellaneous Charges	7162.00
				Grand Total	2000000.00

Certificate:-

1. That the workspot inspected by me and found work is necessary.
2. That the area comes with in the Bruhat Bangalore Mahanagara Palike Limits.
3. That the rates are adopted based on the PWD SR of 2018-19
4. That the provisions made in the estimate are necessary and quite essential.

Assistant Engineer
Ward No.14

Assistant Executive Engineer
Dasarahalli Sub-Division

Executive Engineer
Dasarahalli Division

ADMINISTRATIVELY SANCTIONED FOR
(Rupees Twenty Lakhs only
Under the Head of Account P-3726
Registered as no EE(D.D.)/AS/45/21-22 Subject to conditions contained in Enclosed Memo
No EE/DD/AS/45/21-22 dt 13/1/22

JE/AE. (DASARAHALLI) BBMP

Technically Sanctione for Rs. 20.00 Lakh
Rs In words Twenty lakhs only
Under P-3726
Job Code No 05-220610
Registered as CE No Subject
to conditions contained in Enclosed Memo
No EE/DD/TS/31/20-21 dt 13-1-2022

AE/JE

Executive Engineer